

### Public Agenda Item #9a

Review, Discussion and Consideration of the Real Estate Program: a. Market Update and Program Overview

May 17, 2016

Robert Sessa, CFA, Director of Real Estate
Tony Cardona, Real Estate Analyst
Amy Cureton, Real Estate Portfolio Manager
Dan Krivinskas, Director of Real Estate, Principal, RVK, Inc.



- Agenda
- Real Estate Overview
- Staffing
- Listed Securities as of March 31, 2016
- Private Real Estate
- Accomplishments
- Initiatives



Overview

### Target Weights:

10% of Pension Fund

Current weight 10.4% or \$2.6 billion as of March 31

Private	Global Listed Securities
(\$1.9 billion or 7.5% of Trust)	(\$730 million or 3.0% of Trust)
Target Weights: 70% +/- 10% (7%)	30% +/- 10% (3%) Global Portfolio: > Domestic > International

Staffing



## Bob Sessa, CFA <u>Director of Real Estate</u>

- 22 years work experience, 15 real estate
- BS from Fordham University and MBA from UT Austin

## Annie Xiao, CFA Portfolio Manager

- Covers Int'l Listed Securities
- 15 years work experience, 10 real estate
- BS from Zhengzhou University and MBA from Duke

## Ken McDowell, CPA Portfolio Manager

- Private Real Estate Focused
- 25 years work experience, 25 real estate
- BA and BS from Ohio State University

## **Amy Cureton Portfolio Manager**

- Private Real Estate, 13 years work experience, 8 real estate
- BA and MBA from UT Austin

## Adam Cibik Portfolio Manager

- Private Real Estate Focused
- 15 years work experience,15 real estate
- BS and MBA from the University of Wisconsin

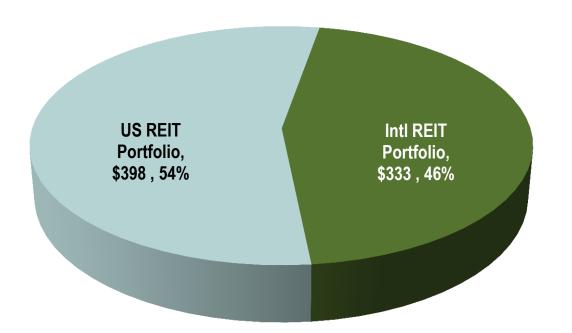
## Tony Cardona Analyst

- Public Real Estate
   Focused
- 7 years work experience,2 real estate
- BS from Cornell University

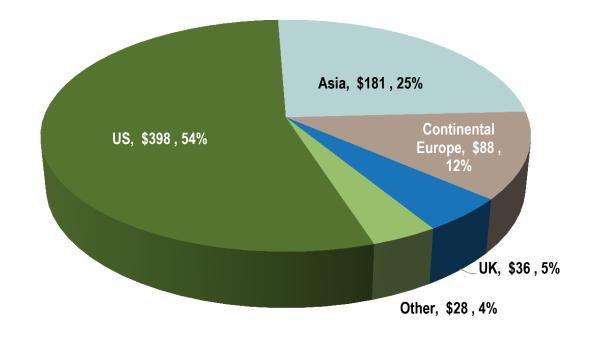
# Real Estate Market Update & Program Overview Listed Securities as of March 31, 2016



**Total Portfolio: \$731 million** 

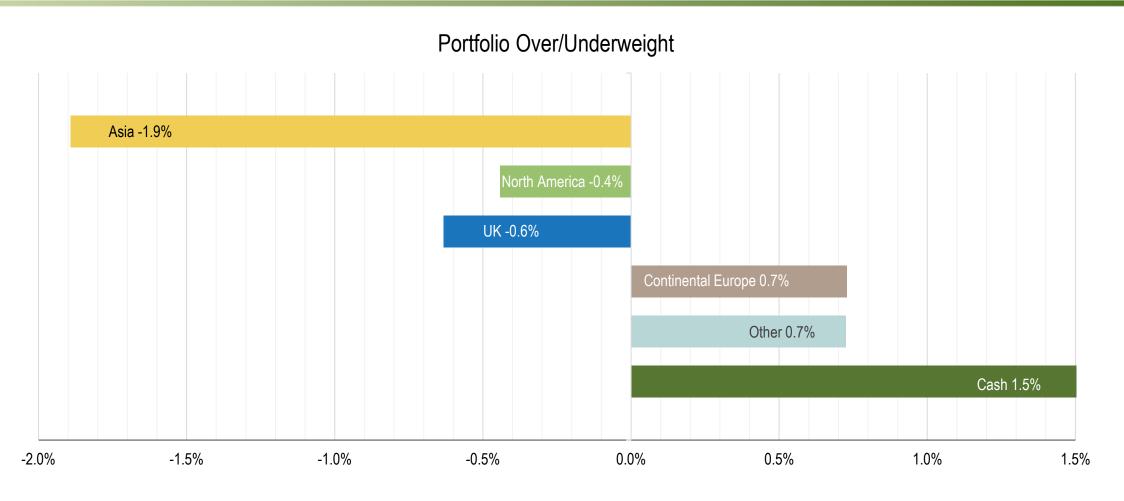


#### **Total REIT Portfolio by Geography**



# Real Estate Market Update & Program Overview Listed Securities as of March 31, 2016



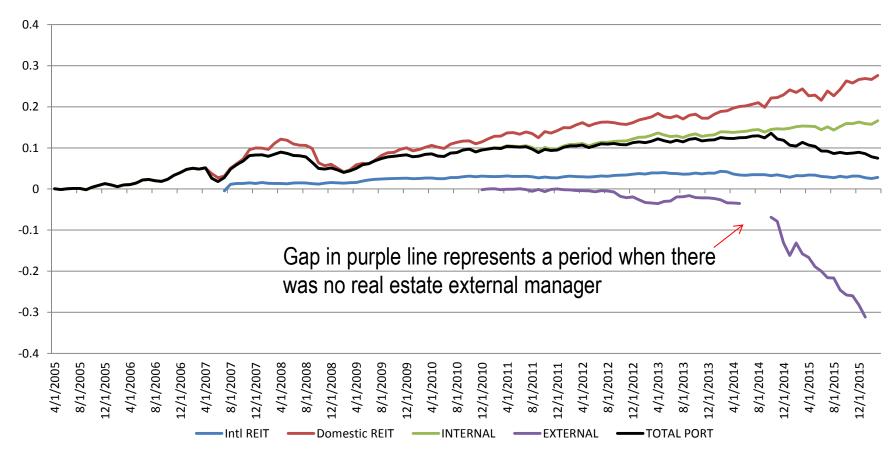


<sup>\*</sup> Benchmark is FTSE EPRA/NAREIT Developed Index

# Real Estate Market Update & Program Overview Excess Total Return as of March 31, 2016

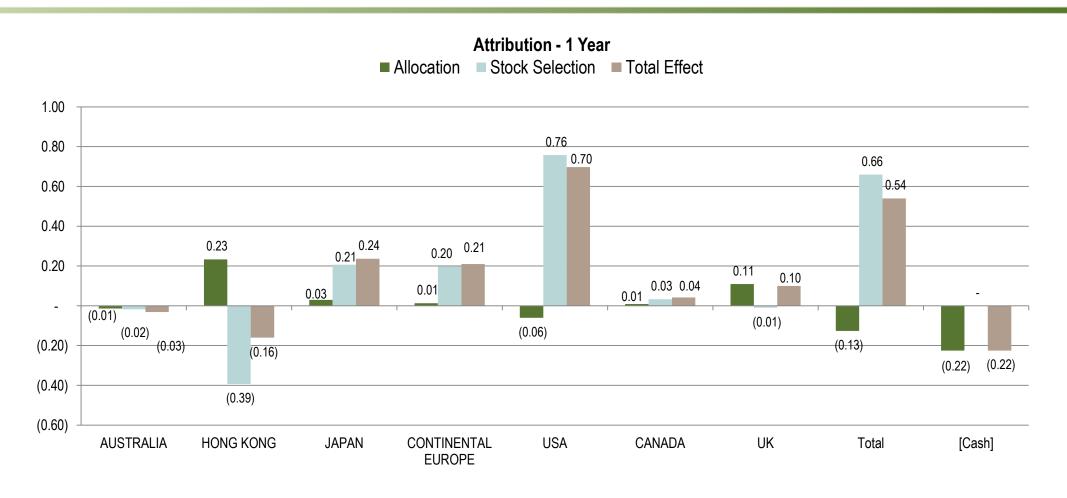


#### **Since Inception Cumulative Excess Total Return**



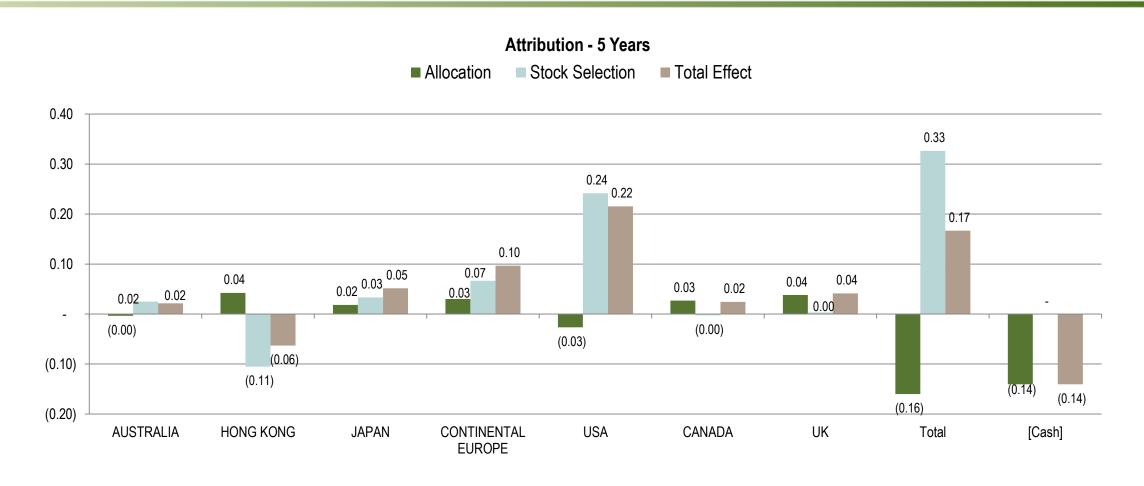
# Real Estate Market Update & Program Overview Attribution as of March 31, 2016





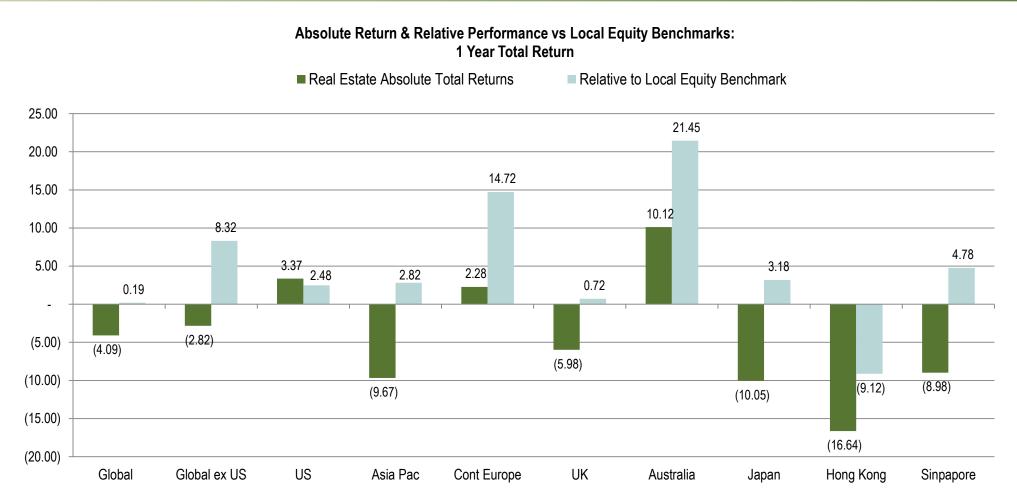
# Real Estate Market Update & Program Overview Attribution as of March 31, 2016







Global Real Estate Market Total Returns vs Broader Equity Market

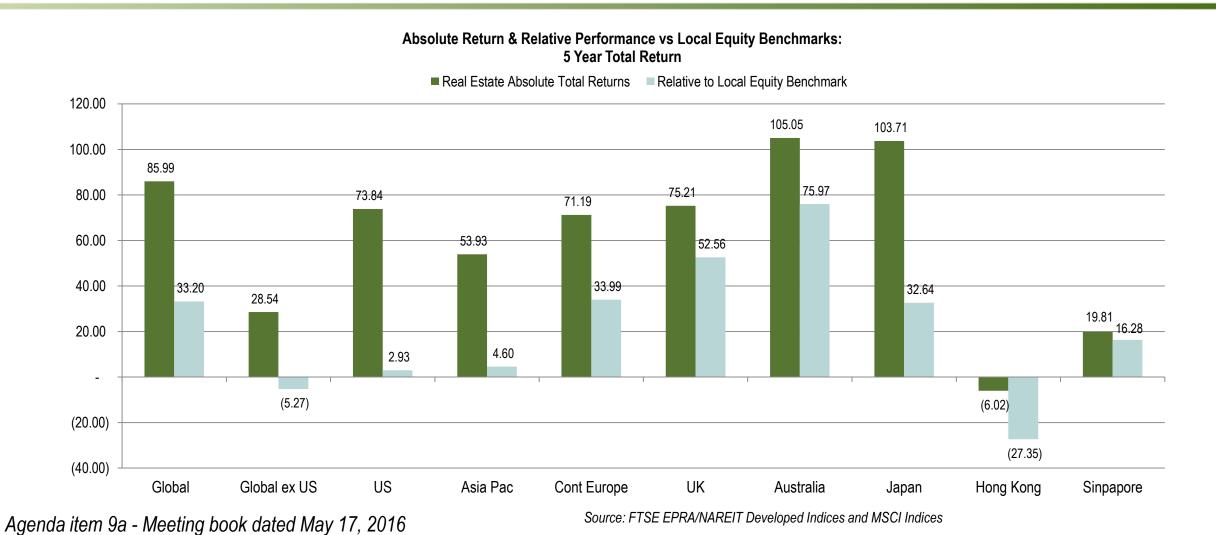


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Source: FTSE EPRA/NAREIT Developed Indices and MSCI Indices

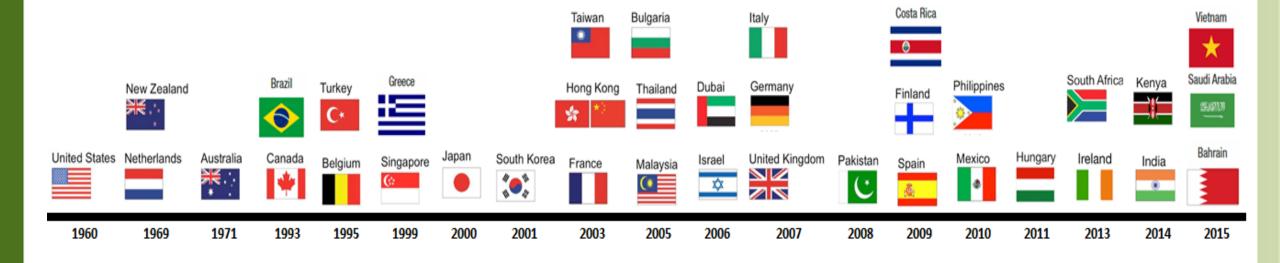


Global Real Estate Market Total Returns vs Broader Equity Market



# Real Estate Market Update & Program Overview Global Adoption of REIT Structure







### Private Real Estate

- PRIVATE REAL ESTATE PORTFOLIO NAV:
   \$1.9 billion
- INVESTMENT TYPE: Equity 85%; Debt 15%
- OVERALL LTV: 45%
- COMMITMENTS:
  - Total Portfolio (since inception) \$2.9 billion with 45 Investments and 32 managers
  - FY 2016 Committed \$191 million to 8 Deals

### CAPITAL CALLED:

- Since Inception ≈ \$2.1 billion
- FY 2016 \$325 million

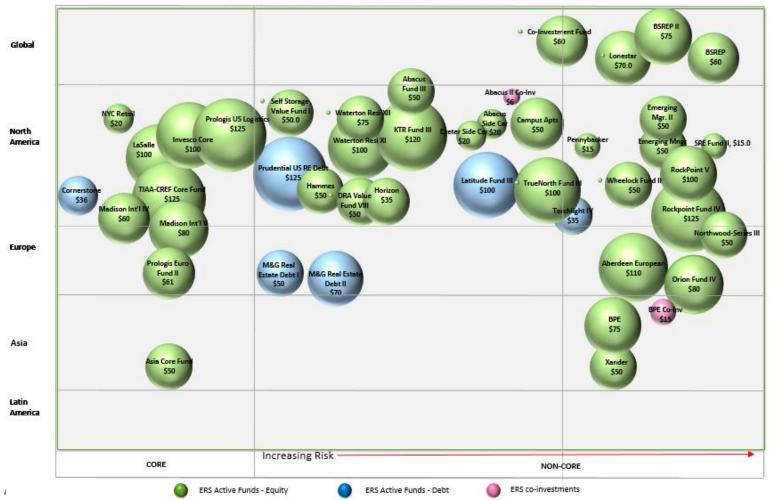
### DISTRIBUTIONS:

- Since Inception ≈ \$895 million
- FY 2016 ≈ \$215 Million

### Private Real Estate Portfolio Stratification



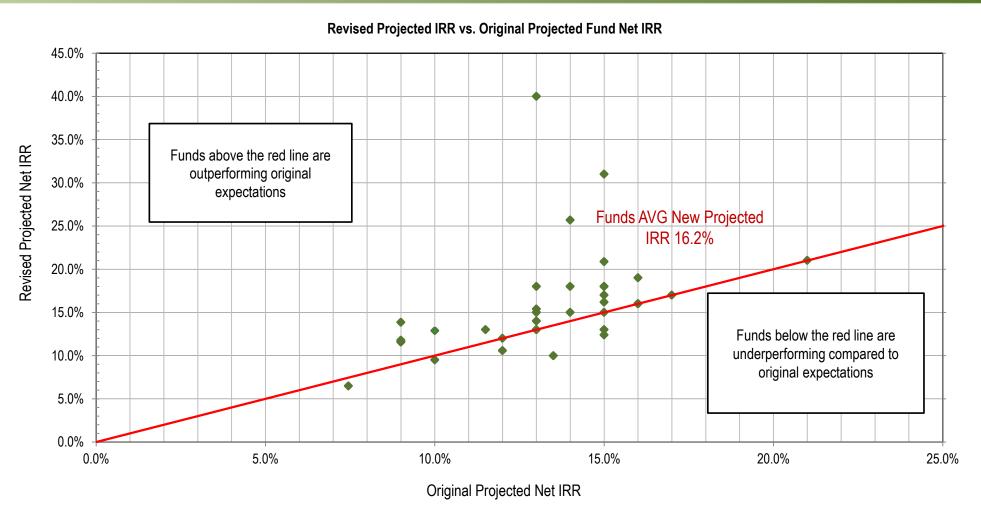
#### Real Estate Portfolio - By Commitments as of March 31, 2016



Note: Size of bubbles reflects the size of the ERS commitment



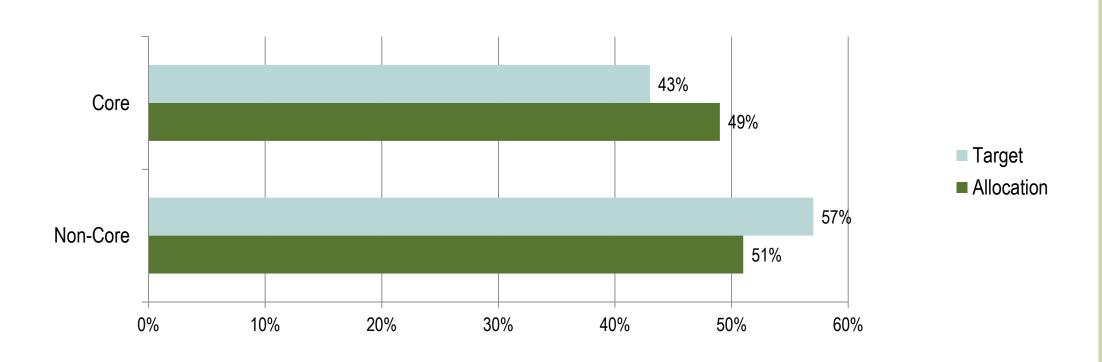
Private Real Estate Portfolio Original and Current Return Projections





Asset Allocation vs. Target as of March 31, 2016

#### **Current Allocation vs. Target Allocation**



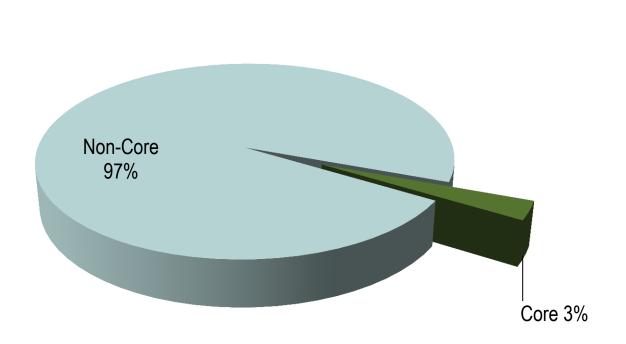
Note: Current allocation based on current NAV + unfunded commitments

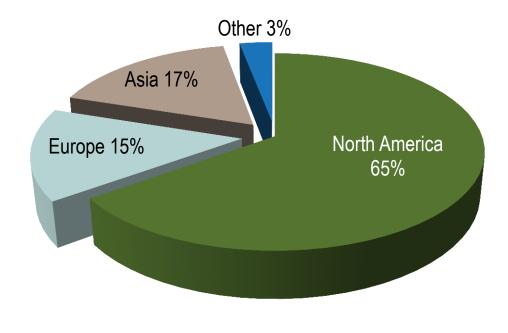
# Real Estate Market Update & Program Overview Private Real Estate Portfolio as of March 31, 2016



Unfunded Commitments by Strategy ≈ \$770 million

Unfunded Commitments by Geography

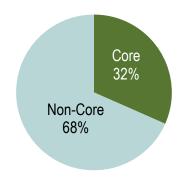




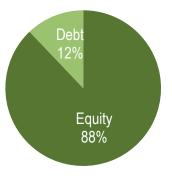
# Real Estate Market Update & Program Overview Total Economic Exposure as of March 31, 2016



Total Portfolio by Risk/Return Profile



**Total Portfolio by Capital Structure Position** 



Portfolio by Risk/Return Profile and Capital Structure Position
Core Portfolio
Non-Core Portfolio

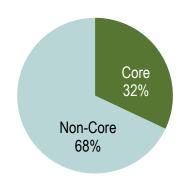




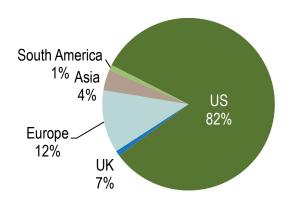


Economic Exposure as of March 31, 2016

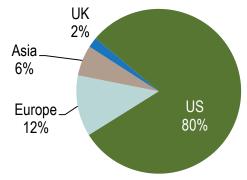
#### Total Portfolio by Risk/Return Profile

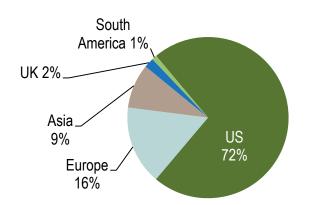


#### Total Portfolio by Region



### Portfolio by Risk/Return Profile and Geographic Region Non-Core

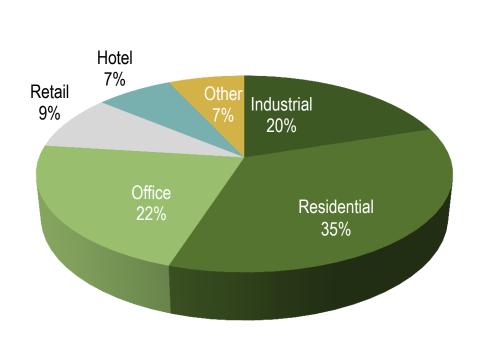




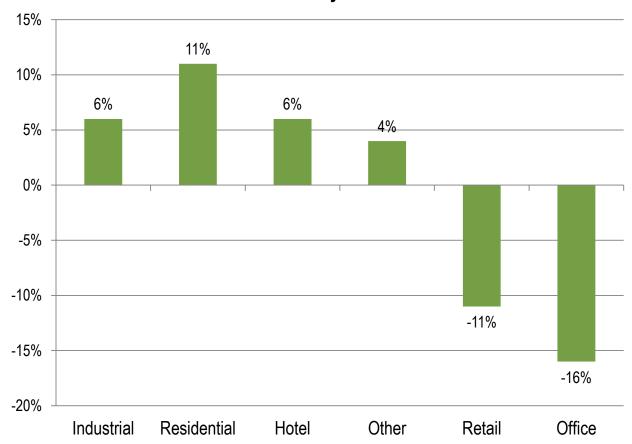


Property type weights as of December 31, 2015

ERS Portfolio by Property Type
Based on ERS' NAV, US only

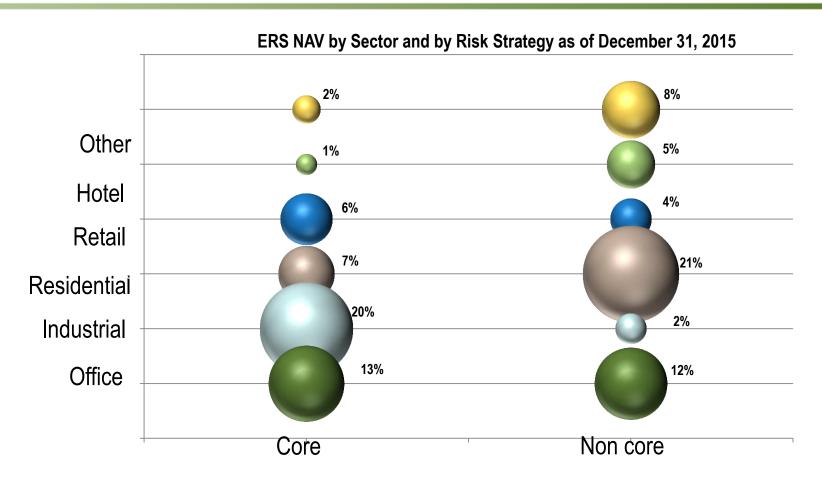


### ERS Portfolio Compared to NCREIF ODCE Benchmark, US Only



# Real Estate Market Update & Program Overview ERS NAV by Investment Risk Strategy & Sector

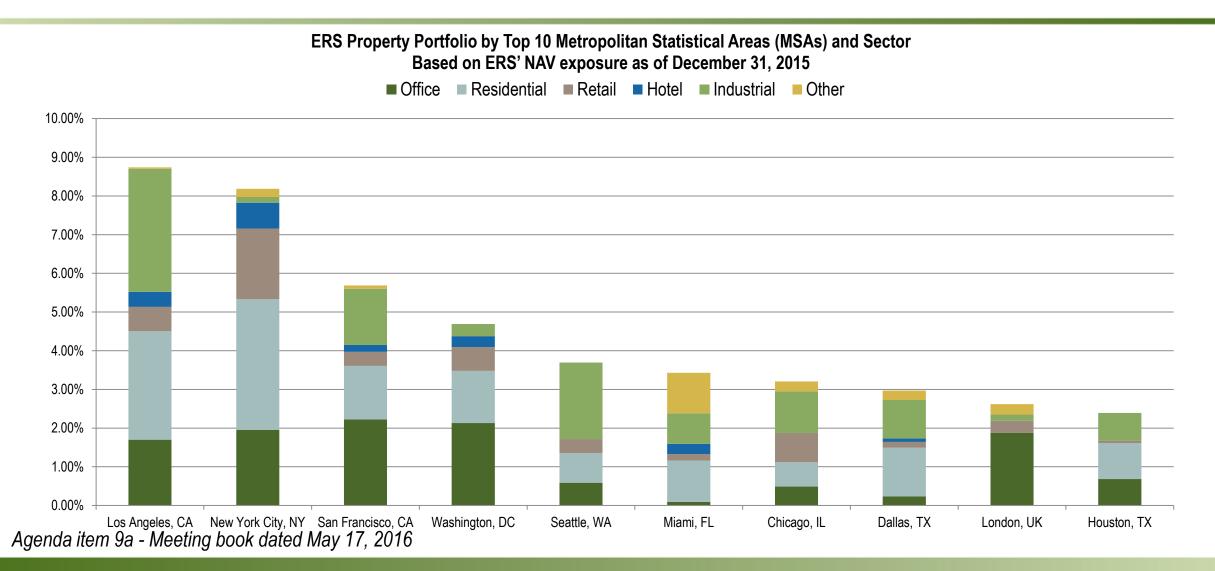




Note: - "Other" property sector is generally comprised of student housing, self-storage facilities or land.
- Office includes mixed-use.

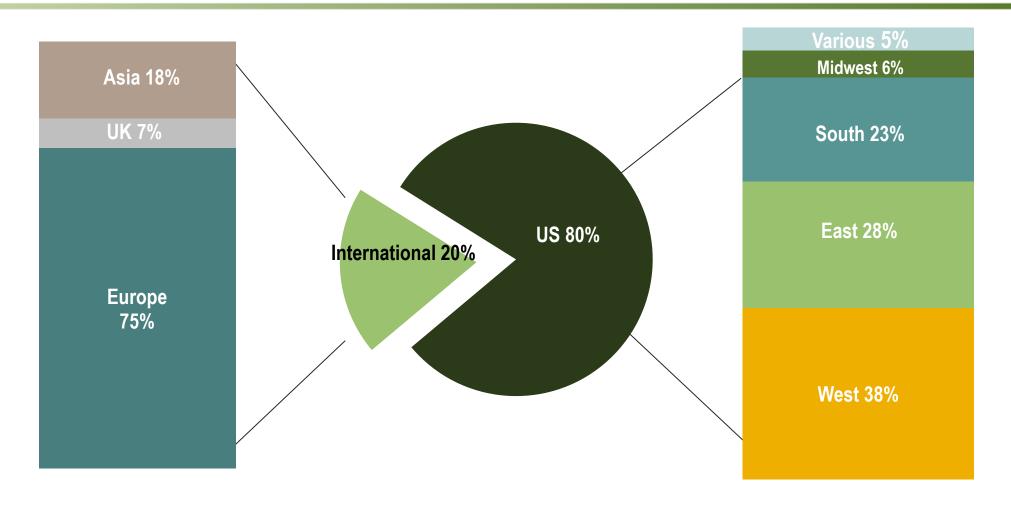


Geography as of December 31, 2015





Geography as of December 31, 2015



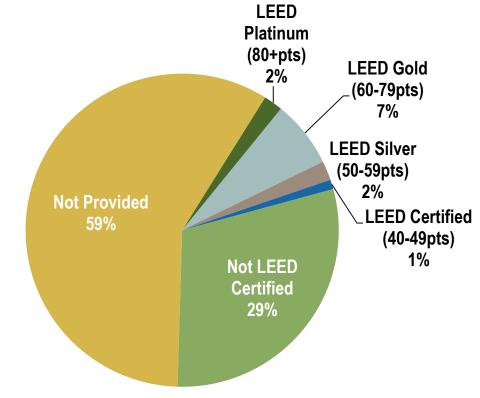
### ERS Private Real Estate "Amenity" Metric Tracking



Leadership in Energy and Environmental Design (LEED) is an indication of various sustainability features incorporated into a building which can improve its operating costs.

ERS Staff tracks LEED certification and Walkscore, which are both indicators of amenities that are becoming increasingly desirable by tenants and investors.

#### **ERS Private Real Estate Select Portfolio\*: LEED Status**



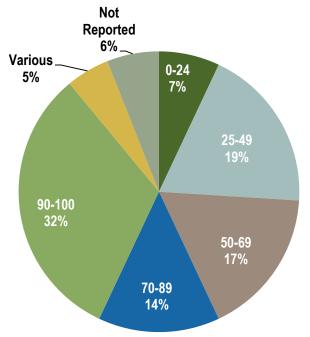
<sup>\*</sup>The chart above is based on a select portfolio of ERS assets: US only and excluding industrial, self storage, manufactured housing and land. LEED is less relevant for these sectors. %'s are based on ERS' NAV as of Q4 '15.

### ERS Private Real Estate "Amenity" Metric Tracking



### ERS PRE Select Portfolio\* Walk Scores

Walk Score



\*The chart above is based on a select portfolio of ERS assets: US only and excluding industrial, self storage, manufactured housing and land. Walk Score is less relevant for these sectors. %'s are based on ERS' NAV as of Q4 '15.

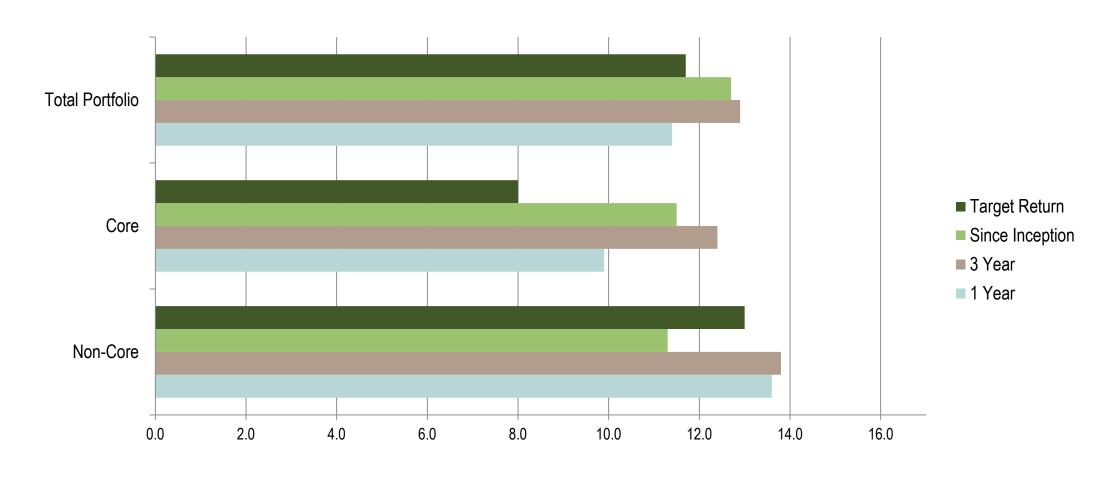
Walk Score®	Description
90 – 100	Walker's Paradise – Daily errands do not require a car
70 – 89	Very Walkable – Most errands can be accomplished on foot
50 – 69	Somewhat Walkable – Some amenities within walking distance
25 – 49	Car-Dependent – A few amenities within walking distance
0 – 24	Car-Dependent – Almost all errands require a car

Source: Walk Score



## Real Estate Market Update & Program Overview Private Real Estate Return - Net IRR as of March 31, 2016





## Real Estate Market Update & Program Overview FY 2016 Accomplishments



- Committed \$191 million to Private Real Estate through March 31 and closed on 8 new investments
- Negotiated an estimated \$45 million in savings for private real estate portfolio since inception plus non-economic terms to improve corporate governance
- Invested in two co-investments and closed on a co-investment separate account
- Increased tracking error for listed security portfolios
- Co-hosted the 3<sup>rd</sup> Bi-Annual REEM Conference for Emerging Managers

## Real Estate Market Update & Program Overview FY 2017 Initiatives



- Continue committing capital to Private Real Estate on a selective basis
- Focus on co-investments and longer term hold strategies
- Targeting \$0 million in commitments with a range of \$0 to \$250 million and 2 to 15 new commitments
- Incorporate option strategies into listed real estate portfolios



### Questions?



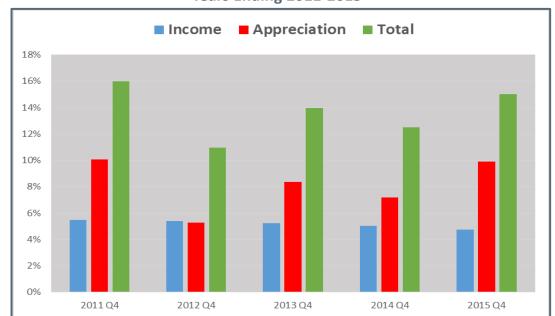
#### **Real Estate Market Summary**

- United States: Relative Value in Non-Core Real Estate
  - Core Real Estate Returns Remain Strong, While Transaction Volume Continues to Increase
  - Except for Multifamily, New Supply Is Relatively Muted
  - Opportunities Exist in Secondary Markets as well as Hybrid and "Unloved" Property Types
  - Accretive Debt Is Abundant
- Europe: Transaction Volume Up, But Deleveraging Pace Is Slow
  - Europe Remains in a Slow Growth Environment
  - Transaction Levels Are High in Major Markets, Slower in Secondary Markets
  - Secondary Cities in the UK and Other Western European Markets Are Drawing More Institutional Interest
- Asia & Emerging Markets: Short-Term Pain, Long-Term Opportunity
  - Asian Real Estate Markets Experienced Some Disruption in 2015 as Chinese Economy Slowed,
     Presenting a Potential Opportunity
  - Weaker Economic Growth and Less Capital in Other Emerging Markets, Including Latin America,
     Presents a Long Term Opportunity, But Patience Is Necessary to Best Take Advantage

US: Strong Core Real Estate Returns Continue, While Volume and Pricing Continue to Surge

 Strong Income and Appreciation Returns in Core U.S. Real Estate Valuations

> NCREIF-ODCE Index Returns, Years Ending 2011-2015



Transaction Volume Has Surpassed 2006 Levels

U.S. Real Estate Transaction Volume, 2001-2015



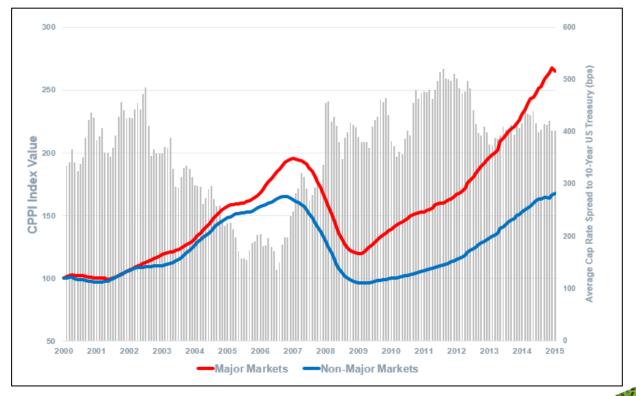
Source: NCREIF, March 2016

Source: Real Capital Analytics, March 2016



**Continued Opportunity to Capitalize on Mispricing in Secondary Markets** 

- Valuation Spreads Between Secondary / Non-Major Markets Relative to Primary / Major Markets Are Near All-Time Highs
- Risk-Reward Dynamic Is Increasingly Favoring Markets That Are Not Priced as "Bond Alternatives"

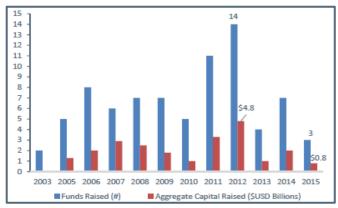


Source: Real Capital Analytics, March 2016

#### Strategic Opportunities in Global Real Estate

Latin America Represent an Investment Opportunities
 Over the Long-Term, Despite Short-Term Volatility

**Latin American Real Estate Fund Raising** 



Source: Pregin, 2016

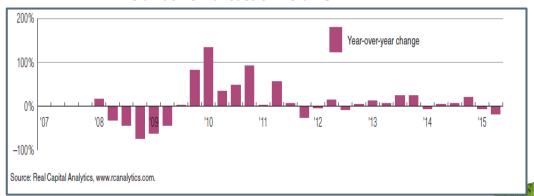
\$USD/BRL FX and Price of Oil



Source: Federal Reserve Bank of St. Louis, 2016

- Concern Over Slow Growth in China Impacted the Broader Asia Economy and Slowed Transaction Volume in 2015
- Over the Long Term, Asian Economic Growth Expected to be Driven by Modernization, Global Product Migration, and Emergence of Middle Class

**Asia Pacific Transaction Volume** 



Source: Real Capital Analytics, 2016





### Questions?